

INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 2004/000520

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: B01J 3/03, B22F 3/14, F16J 15/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: B65D, F16J, F16L, B01J, B22F, B30B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 02103228 A1 (FLOW HOLDINGS SAGL), 27 December 2002 (27.12.2002), page 13, line 23 - line 30, figures 4-5,7, abstract --	1-18
A	GB 2172956 A (PECO UK LIMITED), 1 October 1986 (01.10.1986), page 1, line 85 - line 90 --	1-18
A	PATENT ABSTRACTS OF JAPAN vol.199, no. 508 29 September 1995 (1995-09-29) & JP 7119840 A (TANKEN SEAL C-KOU:KK) 12 May 1995 (1995-05-12) abstract --	1-18

☒ Further documents are listed in the continuation of Box C.☒ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

5 July 2004

Date of mailing of the international search report

12 -07- 2004

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Swedish Patent Office

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	PATENT ABSTRACTS OF JAPAN vol. 199, no. 914 22 December 1999 (1999-12-22) & JP 11241673 A (HITACHI LTD) 07 September 1999 (1999-09-07) abstract --	1-18
A	GB 1396457 A (NUOVO PIGNONE S.P.A.), 4 June 1975 (04.06.1975), column 2, line 16 - line 24, figure 1 --	1-18
A	DE 2414353 A1 (NAWRATH, PETER), 16 October 1975 (16.10.1975), figures 2-3, claim 1 --	1-18
A	US 4565297 A (JORG-PETER KORNER ET AL), 21 January 1986 (21.01.1986), column 3, line 34 - line 43; column 3, line 60 - line 63, figures 1-3 --	1-18
A	US 4562798 A (CORNELIS J. VAN OS), 7 January 1986 (07.01.1986), column 4, line 24 - line 26, figures 1-4, abstract --	1-18
A	FR 1017261 A (MONTECATINI), 5 December 1952 (05.12.1952), figures 1-2, details 1,5 --	1-18
A	US 6336641 A (MICHAEL W. WILLIAMS), 8 January 2002 (08.01.2002), figures 3-4, abstract --	6-9,13
A	US 2821325 A (R.A. CHAPPELLIER ET AL), 28 January 1958 (28.01.1958), figure 5 -- -----	10

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Information on patent family members

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US	6336641	A	08/01/2002	NONE
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US 2821325 A 28/01/1958 NONE
